|                           |  |  |                                    | Application or Docket Number  |                                      |                |                        |                  |                     |                        |  |  |
|---------------------------|--|--|------------------------------------|---|--------------------------------------|----------------|------------------------|------------------|---------------------|------------------------|--|--|
|                           | PATENT A                                   |  | ON FEE D                           | RD  | 08                                   | 195            | 9/2                    | <u>5.</u>        |                     |                        |  |  |
|                           | 11   | CLAIMS                                   | AS FILED -<br>(Column 1)           | SM/<br>TY   | ALL ENTITY PE                        | OR             | OTHER<br>SMALL         |                  |                     |                        |  |  |
| FOF                       | R  | NUM                                      | BER FILED                          | RAT   | E FEE                                |                | RATE                   | FEE              |                     |                        |  |  |
| BAS                       | SIC FEE                                    |  |                                    |   |                                      | <b>2</b> ,77   | 395.00                 | OR               |                     | 790.00                 |  |  |
| тот                       | TAL CLAIMS                                 |  | 3 minus                            | 20 =  | x\$11                                | l=             | OR                     | x\$22=           |                     |                        |  |  |
| 1-                        | EPENDENT CLA                               | x41                                      | =                                  | OR  | x82=                                 |                |                        |                  |                     |                        |  |  |
|                           | LTIPLE DEPEND                              | ENT CLAIM PI                             | RESENT                             |   | <u> </u>                             | +135           | 5=                     | OR               | +270=               |                        |  |  |
| <b>9</b> . <sub>"</sub> " | the difference in co                       | lumn 1 is tess the                       | in zero, enter "0" i               | n column 2  |                                      | тот            | AL                     | OR               | TOTAL               | 790                    |  |  |
| 9                         | .KJ.9E                                     | (Column 1)                               | AMENDED                            | SM  | ALL ENTITY                           | OR             |                        | R THAN<br>ENTITY |                     |                        |  |  |
| ENT A                     |  | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMEN |                                    | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR   | PRESENT<br>EXTRA                     | RAT            | ADDI-<br>TIONAL<br>FEE |                  | RATE                | ADDI-<br>TIONAL<br>FEE |  |  |
|                           | Total                                      | 1.73                                     | Minus                              | -20   |                                      | x\$11          | =                      | OR               | x\$22=              |                        |  |  |
| AMENDMENT                 | Independent                                | · 2                                      | Minus                              | .3  | =                                    | x41            | =                      | OR               | x82=/               |                        |  |  |
|                           | FIRST PRES                                 | SENTATION C                              | F MULTIPLE                         | DEPENDENT CL  | AIM                                  | +135           | 5=                     | OR               | +270=               |                        |  |  |
| K                         | 3099                                       | (Column 1)                               |                                    | (Column 2)  | (Column 3)                           | TO<br>ADDIT. I | TAL<br>EE              | OR               | OR ADDIT. FEE       |                        |  |  |
| ENT B                     |  | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMEN |                                    | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR   | PRESENT<br>EXTRA                     | RAT            | ADDI-<br>TIONAL<br>FEE |                  | RATE                | ADDI-<br>TIONAL<br>FEE |  |  |
| NDMEN                     | Total                                      | ./3                                      | Minus                              |   | 3                                    | x\$1           | l=                     | OR               | x\$22=              |                        |  |  |
| AME                       | Independent                                | .2)                                      | Minus                              | ···3  | =                                    | x41            | =                      | OR               | x82=                |                        |  |  |
| <b> </b> ▲                | FIRST PRES                                 | SENTATION (                              | OF MULTIPLE                        | DEPENDENT CL  | AIM                                  | . +13          | 5=                     | OR               | +270=               |                        |  |  |
| 1                         | ):/{}:99                                   | (Column 1)                               |                                    | (Column 2)  | (Column 3)                           | ADDIT.         | TAL<br>FEE             | OR               | TOTAL<br>ADDIT. FEE |                        |  |  |
| ENTC                      |  | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMEN |                                    | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR   | PRESENT<br>EXTRA                     | RAT            | ADDI-<br>TIONAL<br>FEE |                  | RATE                | ADDI-<br>TIONAL<br>FEE |  |  |
| MO                        | Total                                      | ./3                                      | Minus                              | -20   | =                                    | x\$1           | l=                     | OR               | x\$22=              |                        |  |  |
| AMENDMENT                 | Independent                                | 2  | Minus                              | <del>"</del> 3  | =                                    | x41            | =                      | OR               | x82=                |                        |  |  |
| L                         | FIRST PRE                                  | SENTATION (                              | OF MULTIPLE                        | DEPENDENT CL  | AIM                                  | +13            | 5=                     | OR               | +270=               |                        |  |  |
| ***                       | If the "Highest Nur<br>If the "Highest Nur | mber Previously<br>mber Previously       | Paid For IN THI<br>Paid For IN THI | mn 2, write "0" in col<br>S SPACE is less than<br>S SPACE is less than<br>r Independent) is the | n 20, enter "20."<br>n 3, enter "3." | ADDIT.         |                        | OR               | TOTAL<br>ADDIT. FEE |                        |  |  |

| 1        |  |  |            |                                 |                                |                  |                                       |                  |   |                   | Application or Docket Number |                        |    |                     |                        |  |  |  |
|----------|--|--|------------|---------------------------------|--------------------------------|------------------|---------------------------------------|------------------|---|-------------------|------------------------------|------------------------|----|---------------------|------------------------|--|--|--|
|          | PATENT APPLICATION FEE DETERMINATION RECO<br>Effective October 1, 1997 |  |            |                                 |                                |                  |                                       |                  |   | 108/969126        |                              |                        |    |                     |                        |  |  |  |
|          | CLAIMS AS FILED - PART I (Column 1) (Column 2)                         |  |            |                                 |                                |                  |                                       |                  |   |                   | ALL<br>PE                    | ENTITY                 | OR | OTHER<br>SMALL      |                        |  |  |  |
| 러        | FOR  | FOR NUMBER FILED   |            |                                 |                                | NUMBER EXTRA     |                                       |                  |   | RAT               | Ε                            | FEE                    |    | RATE                | FEE                    |  |  |  |
|          | BASI   | ASIC FEE   |            |                                 |                                |                  |                                       |                  |   |                   |                              | 395.00                 | OR |                     | 790.00                 |  |  |  |
| Ч        | TOTA   | L CLAIMS   |            | /3 minus 20 = ' -               |                                |                  | •                                     | x\$1             |   |                   | l=                           |                        | OR | x\$22=              |                        |  |  |  |
| B        | INDE   | INDEPENDENT CLAIMS 2 mir   |            |                                 |                                | us 3 =           |                                       |                  |   | x41               | =                            |                        | ÓR | x82=                |                        |  |  |  |
| 7        | MULT   | MULTIPLE DEPENDENT CLAIM PRESENT                                       |            |                                 |                                |                  |                                       |                  | ] | +139              | 5=                           |                        | OR | +270=               |                        |  |  |  |
| BESI AVA | • 110  | If the difference in column 1 is tess than zero, enter "0" in column 2 |            |                                 |                                |                  |                                       |                  |   | TOTA              | AL                           |                        | OR | TOTAL               | 790                    |  |  |  |
| Y        | 1  | 1) 1/ OOCLAIMS AS AMENDED - PART II                                    |            |                                 |                                |                  |                                       |                  |   |                   | •                            |                        | On | OTUE                | R THAN                 |  |  |  |
| ?        | $\bowtie$  | 10.71  | (Colu      | ımn 1)                          |                                |                  | olumn 2)                              | (Column 3)       | • | SM                | ALL                          | ENTITY                 | OR |                     | ENTITY                 |  |  |  |
| क्ष      | AMENDMENT A  |  | REM/<br>AF | AIMS<br>AINING<br>TER<br>DMENT  |                                | NI<br>PRE        | GHEST<br>JMBER<br>VIOUSLY<br>JD FOR   | PRESENT<br>EXTRA |   | RAT               | E                            | ADDI-<br>TIONAL<br>FEE |    | RATE                | ADDI-<br>TIONAL<br>FEE |  |  |  |
|          | NDN  | Total  | ./_        | 2                               | Minus                          | ين<br>پخ         | 0                                     | = /              |   | x\$11             | l =                          |                        | OR | x\$22=              |                        |  |  |  |
|          | ME   | independent  | ·X         | )<br>                           | Minus                          | ,                | 3                                     | =                |   | x41               | =                            |                        | OR | x82=                |                        |  |  |  |
|          | A  | FIRST PRES   | SENTA      | TION OF                         | MULTIPLE                       | DEPE             | NDENT CL                              | AIM/             |   | +135              | 5=                           |                        | OR | +270=               |                        |  |  |  |
|          | $\mathcal{A}$ .  | 14.00  | ) (0-1     | <b>4</b> )                      |                                |                  | -t 0\                                 | (Catuma 2)       | , | TO<br>ADDIT. I    | TAL                          |                        | OR | TOTAL<br>ADDIT, FEE |                        |  |  |  |
|          | 1 /  | / 00   |            | ımn 1)<br>AIMS                  |                                |                  | olumn 2)<br>GHEST                     | (Column 3)       | 1 |                   |                              |                        | 1  |                     | <u> </u>               |  |  |  |
|          | ENDMENT B  |  | REM/       | AINING<br>TER<br>DMENT          |                                | NI<br>PRE        | JMBER<br>VIOUSLY<br>JID FOR           | PRESENT<br>EXTRA |   | RAT               | Έ                            | ADDI-<br>TIONAL<br>FEE |    | RATE                | ADDI-<br>TIONAL<br>FEE |  |  |  |
|          | MQ.  | Total  | · /4       | $\mathcal{Y}_{-}$               | Minus                          |                  |                                       | =                |   | x\$1 <sup>-</sup> | 1=                           |                        | OR | x\$22=              |                        |  |  |  |
|          | AME  | Independent  | ئ.         | 5                               | Minus                          | •••              | <u> </u>                              | = '              |   | x41               | =                            |                        | OR | x82=                |                        |  |  |  |
|          | ٨  | FIRST PRES   | SENTA      | TION OF                         | MULTIPLE                       | DEPE             | EPENDENT CLAIM (                      |                  |   | +13               | 5=                           |                        | OR | +270=               |                        |  |  |  |
|          | 12   | (Column 1) (Column 2) (Column 3)                                       |            |                                 |                                |                  |                                       |                  |   | TO<br>ADDIT.      | TAL<br>FEE                   |                        | OR | TOTAL<br>ADDIT. FEE |                        |  |  |  |
| •        | ENTC   |  | REM.       | AIMS<br>AINING<br>TER<br>IDMENT |                                | HI<br>NI<br>PRE  | GHEST<br>UMBER<br>EVIOUSLY<br>AID FOR | PRESENT<br>EXTRA |   | RAT               | E                            | ADDI-<br>TIONAL<br>FEE |    | RATE                | ADDI-<br>TIONAL<br>FEE |  |  |  |
|          | AMENDMENT  | Total  | - /1       |                                 | Minus                          |                  | 20                                    | = /              |   | x\$1              | 1=                           |                        | OR | x\$22=              | /                      |  |  |  |
| ٠        | MEN  | Independent  | . /        | 5                               | Minus                          | •••              | 2                                     | = /              |   | x41               | =                            |                        | OR | x82=/               | 1                      |  |  |  |
|          | A  | FIRST PRE  | SENTA      | TION OF                         | MULTIPLE                       | DEPE             | NDENT CL                              | AIM              |   | +13               | <br>5=                       | -                      | OR | +270=               |                        |  |  |  |
|          | •••• If  | the entry in columns the "Highest Nur the "Highest Nur                 | nber Pre   | eviously Pa                     | id For IN THI<br>id For IN THI | S SPAC<br>S SPAC | E is less than<br>E is less than      | 20, enter *20.*  |   | ADDIT.            |                              |                        | _  | TOTAL<br>ADDIT. FEE |                        |  |  |  |

|      | PATENT APPLICATION FEE DETERMINATION RECO Effective October 1, 1997 |  |            |                                 |                                  |               |   |                                  |      |              |                  | D8/95925               |           |                     |                        |  |  |  |  |
|------|---|--|------------|---------------------------------|----------------------------------|---------------|---|----------------------------------|------|--------------|------------------|------------------------|-----------|---------------------|------------------------|--|--|--|--|
| >    | 1   | CLAIMS AS FILED - PART I (Column 1) (Column 2)                         |            |                                 |                                  |               |   |                                  |      |              | SMALL ENTITY OTH |                        |           |                     |                        |  |  |  |  |
| OPY  | FOR   | NUMBER FILED   |            |                                 |                                  |               | NUMBER                                  | EXTRA                            |      | RAT          | Έ                | FEE                    |           | RATE                | FEE                    |  |  |  |  |
| O    | BASI  | ASIC FEE   |            |                                 |                                  |               |   |                                  |      |              |                  | 395.00                 | OR        |                     | 790.00                 |  |  |  |  |
| J.E  | TOTA  | OTAL CLAIMS 13 minus 2   |            |                                 |                                  |               |   |                                  |      |              | 1=               |                        | OR        | x\$22=              | *                      |  |  |  |  |
| AB   |   | NDEPENDENT CLAIMS minus 3 =  |            |                                 |                                  |               |   |                                  | x41  | =            |                  | OR                     | x82=      |                     |                        |  |  |  |  |
| AIL  | MULT  | MULTIPLE DEPENDENT CLAIM PRESENT                                       |            |                                 |                                  |               |   |                                  |      | +13          | 5=               | ,                      | OR        | +270=               |                        |  |  |  |  |
| AVA  | * 11 th   | If the difference in column 1 is less than zero, enter "0" in column 2 |            |                                 |                                  |               |   |                                  |      | тот          | AL               |                        | OR        | TOTAL               | 790                    |  |  |  |  |
|      | /_  | CLAIMS AS AMENDED - PART II  |            |                                 |                                  |               |   |                                  |      |              |                  |                        |           | OTHER THAN          |                        |  |  |  |  |
| REST | $\mathcal{O}_{\tilde{c}}$   | (Column 1) (CLAIMS   |            |                                 |                                  |               |   | (Column 3)                       | 1    | SM           | ALL              | ENTITY                 | OR<br>I I | SMALL               | ENTITY                 |  |  |  |  |
| Labo | AMENDMENT A   | REMAINING  |            |                                 |                                  |               | IGHEST<br>UMBER<br>EVIOUSLY<br>AID FOR  | PRESENT<br>EXTRA                 |      | RAT          | E                | ADDI-<br>TIONAL<br>FEE |           | RATE                | ADDI-<br>TIONAL<br>FEE |  |  |  |  |
|      | NON   | Total  | ·/*        | $\int$                          | Minus                            | -(            |   | <u>-</u>                         |      | x\$1         | 1=               |                        | OR        | x\$22=              |                        |  |  |  |  |
|      | ME  | Independent  |            | 2                               | Minus                            | ***           | <u>ر</u>                                | =                                |      | x41          | =                | ,                      | OR        | x82=                |                        |  |  |  |  |
|      | •   | FIRST PRES   | SENTA      | TION OF                         | MULTIPLE                         | DEPE          | NDENT CL                                | AIM                              |      | +13          | 5=               |                        | OR        | +270=               |                        |  |  |  |  |
|      | 12  | 23Q  | )<br>(Colu | ımn 1)                          |                                  | (C            | Column 2) (Column 3)                    |                                  |      | TO<br>ADDIT. | TAL<br>FEE       |                        | OR        | TOTAL<br>ADDIT. FEE |                        |  |  |  |  |
|      | ENT B   |  | REM/       | AIMS<br>AINING<br>TER<br>DMENT  |                                  | PRE           | IGHEST<br>UMBER<br>EVIOUSLY<br>AID FOR  | PRESENT<br>EXTRA                 |      | RAT          | E                | ADDI-<br>TIONAL<br>FEE |           | RATE                | ADDI-<br>TIONAL<br>FEE |  |  |  |  |
|      | ENDMENT   | Total  | · /        | 5                               | Minus                            |               | 20                                      | <u></u>                          |      | x\$1         | 1=               |                        | OR        | x\$22=              |                        |  |  |  |  |
|      | AME   | Independent  |            | 3                               | Minus                            | ***           | <u> </u>                                | =                                |      | x41          | =                | ·                      | OR        | x82=                |                        |  |  |  |  |
|      | •   | FIRST PRE  | SENTA      | TION OF                         | MULTIPLE                         | DEPE          | DEPENDENT CLAIM                         |                                  |      | +13          | <br>5=           |                        | OR        | +270=               |                        |  |  |  |  |
|      | R   | Richard (Column 1) (Column 2) (Column 3)                               |            |                                 |                                  |               |   |                                  |      | TO<br>ADDIT. | TAL              |                        | OR        | TOTAL<br>ADDIT. FEE |                        |  |  |  |  |
|      | ENTC  |  | CL<br>REM  | AIMS<br>AINING<br>TER<br>IDMENT |                                  | H<br>N<br>PRE | IGHEST<br>IUMBER<br>EVIOUSLY<br>AID FOR | PRESENT                          |      | RAT          | ΓE               | ADDI-<br>TIONAL<br>FEE |           | RATE                | ADDI-<br>TIONAL<br>FEE |  |  |  |  |
|      | AMENDMENT   | Total  | •/6        | 2                               | Minus                            |               | 20                                      | <u></u>                          |      | x\$1         | 1=               |                        | OR        | x\$22=              |                        |  |  |  |  |
| •    | MEN   | Independent  |            | )                               | Minus                            | ***           | ろ                                       | <b>.</b>                         |      | x41          | =                |                        | OR        | x82= /              |                        |  |  |  |  |
|      | ۷   | FIRST PRE  | SENTA      | TION OF                         | MULTIPLE                         | DEP           | ENDENT CL                               | AIM                              |      | +13          | 5=               |                        | OR        | +270=               |                        |  |  |  |  |
|      | !r  | the entry in colu<br>the "Highest Nu<br>the "Highest Nu                | mber Pre   | viousty Pa                      | id For IN THIS<br>id For IN THIS | S SPAC        | CE is less than<br>CE is less than      | 20, enter "20."<br>3, enter "3." |      | ADDIT.       |                  |                        | _         | TOTAL<br>ADDIT. FEE |                        |  |  |  |  |
|      | ľ   | he "Highest Num  | her Pres   | nousty Pak                      | For (Total or                    | Inden         | endent) is the                          | highest number 1                 | ound | in the       | acorc            | oriate box in          | column    | 1.                  |                        |  |  |  |  |

| ,                              | PATENT APPLICATION FEE DETERMINATION RECORD  Effective October 1, 1997  Application of Docket Number  () () () () () () () () () () () () () (                                       |   |                         |   |                             |  |                           |        |                     |                        |  |  |
|--------------------------------|--|---|-------------------------|---|-----------------------------|--|---------------------------|--------|---------------------|------------------------|--|--|
| <b>—</b>                       |  |   |                         |   | $\mathcal{C}^{\mathcal{C}}$ | <del>/                                    </del> | J 1/2                     | 4), \  |                     |                        |  |  |
| 5                              | 11   |   | S FILED - I<br>olumn 1) |   | ımn 2)                      |  | ALL ENTITY                | OR     | OTHER<br>SMALL      | THAN<br>ENTITY         |  |  |
| For                            | NUMBER FILED NUMBER EXTRA  |   |                         |   |                             |  | E FEE                     |        | RATE                | FEE                    |  |  |
| ASIC FEE                       |  |   |                         |   |                             |  | 395.00                    | OR     |                     | 790.00                 |  |  |
| TOTAL CLAIMS / 3 minus 20 =    |  |   |                         |   |                             |  | 1=                        | OR     | x\$22=              |                        |  |  |
| UNDEPENDENT CLAIMS 2 minus 3 = |  |   |                         |   |                             | x41  | =                         | OR     | x82=                |                        |  |  |
| MUL                            | TIPLE DEPEND   | ENT CLAIM PRE                             | SENT                    |   | :                           | +13  | 5=                        | OR     | +270=               |                        |  |  |
| <b>た</b> "                     | he difference in co  | Numn 1 is less thaกั่ 2                   | tero, enter "0" ir      | n column 2                                  |                             | тот  |                           | OR     | TOTAL               | 790                    |  |  |
| 90                             | 2.05   | SM  | IALL ENTITY             | OR  |                             | R THAN<br>ENTITY                                 |                           |        |                     |                        |  |  |
| AMENDMENT A                    |  | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |                         | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA            | RAT  | ADDI-<br>TIONAL<br>FEE    |        | RATE                | ADDI-<br>TIONAL<br>FEE |  |  |
| 200                            | Total  | .13                                       | Minus                   | :00   | =                           | x\$1   | 1=                        | OR     | x\$22=              |                        |  |  |
| NE NE                          | Independent  | · 3                                       | Minus                   | '}  | =                           | x41  | =                         | OR     | x82= /              |                        |  |  |
|                                | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM   |   |                         |   |                             | +13  | 5=                        | OR     | +270=               |                        |  |  |
|                                |  |   |                         |   |                             | TO<br>ADDIT.                                     | TAL<br>FEE                | OR     | TOTAL<br>ADDIT, FEE |                        |  |  |
| -                              |  | (Column 1)<br>CLAIMS                      | F 1977                  | (Column 2)                                  | (Column 3)                  |  |                           | _<br>¬ |                     |                        |  |  |
| IDMENT B                       |  | REMAINING<br>AFTER<br>AMENDMENT           |                         | NUMBER<br>PREVIOUSLY<br>PAID FOR            | PRESENT<br>EXTRA            | RAT  | ADDI-<br>TIONAL<br>FEE    |        | RATE                | ADDI-<br>TIONAL<br>FEE |  |  |
| Ē                              | Total  | •   | Minus                   | **  | =                           | x\$1   | 1=                        | OR     | x\$22=              |                        |  |  |
| AMEN                           | Independent  | •   | Minus                   | <b>**</b>                                   | =                           | x41  | =                         | OR     | x82=                |                        |  |  |
|                                | FIRST PRE  | SENTATION OF                              | MULTIPLE                | DEPENDENT CL                                | AIM                         | . +13  | 5=                        | OR     | +270=               |                        |  |  |
|                                |  | (Column 1)                                |                         | (Column 2)                                  | (Column 3)                  | , TO   | TAL<br>FEE                | OR     | TOTAL<br>ADDIT. FEE |                        |  |  |
| ENTC                           |  | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |                         | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA            | RAT  | ADDI-<br>TE TIONAL<br>FEE |        | RATE                | ADDI-<br>TIONAL<br>FEE |  |  |
|                                | Total  | •   | Minus                   | **  | =                           | x\$1   | 1=                        | OR     | x\$22=              |                        |  |  |
| AMENDMENT                      | Independent  | •   | Minus                   | ***   | =                           | x41  | l=                        | OR     | x82=                |                        |  |  |
| L                              | FIRST PRE  | SENTATION OF                              | MULTIPLE                | DEPENDENT CL                                | AIM                         | +13  | 5=                        | OR     | +270=               |                        |  |  |
| ***                            | * If the entry in column 1 is less than the entry in column 2, write "0" in column 3.  ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."  OR |   |                         |   |                             |  |                           |        |                     |                        |  |  |